



# State of Utah

## Department of Natural Resources

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas & Mining

JOHN R. BAZA  
Division Director

JON M. HUNTSMAN, JR.  
Governor

GARY R. HERBERT  
Lieutenant Governor

#### Representatives Present During the Inspection:

OGM Priscilla Burton Environmental Scientist III

## Inspection Report

Permit Number:	C0070022
Inspection Type:	TECHNICAL
Inspection Date:	Tuesday, September 19, 2006
Start Date/Time:	9/19/2006 3:30:00 PM
End Date/Time:	9/21/2006 10:00:00 AM
Last Inspection:	Wednesday, August 30, 2006

Inspector: Priscilla Burton, Environmental Scientist III

Weather: sun, 70 F

InspectionID Report Number: 1078

Accepted by: whedberg  
9/29/2006

Permittee: **SAVAGE SERVICES CORP**

Operator: **SAVAGE SERVICES CORP**

Site: **SAVAGE COAL TERMINAL**

Address: **6340 S 3000 E STE 600, SALT LAKE CITY UT 84121**

County: **CARBON**

Permit Type: **PERMANENT COAL PROGRAM**

Permit Status: **ACTIVE**

#### Current Acreages

160.00	<b>Total Permitted</b>
122.28	<b>Total Disturbed</b>
	<b>Phase I</b>
	<b>Phase II</b>
	<b>Phase III</b>

#### Mineral Ownership

- ☐ Federal  
☐ State  
☐ County  
☐ Fee  
☒ Other

#### Types of Operations

- ☒ Underground  
☒ Surface  
☒ Loadout  
☐ Processing  
☐ Reprocessing

#### Report summary and status for pending enforcement actions, permit conditions, Division Orders, and amendments:

Conditional approval for construction of the settling ponds (Task ID #2613) stated that the B1Be soils were of such poor quality that they should not be salvaged. Boundaries of soil map unit B1Be field checked to demarcate the line of topsoil salvage.

Inspector's Signature:

*Priscilla Burton*

Priscilla Burton, Environmental Scientist III

Inspector ID Number: 37

Date Wednesday, September 20, 2006

**Note:** This inspection report does not constitute an affidavit of compliance with the regulatory program of the Division of Oil, Gas and Mining.

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## Inspection Continuation Sheet

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### REVIEW OF PERMIT, PERFORMANCE STANDARDS PERMIT CONDITION REQUIREMENTS

1. Substantiate the elements on this inspection by checking the appropriate performance standard.
  - a. For COMPLETE inspections provide narrative justification for any elements not fully inspected unless element is not appropriate to the site, in which case check Not Applicable.
  - b. For PARTIAL inspections check only the elements evaluated.
2. Document any noncompliance situation by reference the NOV issued at the appropriate performance standard listed below.
3. Reference any narratives written in conjunction with this inspection at the appropriate performance standard listed below.
4. Provide a brief status report for all pending enforcement actions, permit conditions, Division Orders, and amendments.

	Evaluated	Not Applicable	Comment	Enforcement
1. Permits, Change, Transfer, Renewal, Sale	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Signs and Markers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Topsoil	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.a Hydrologic Balance: Diversions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.b Hydrologic Balance: Sediment Ponds and Impoundments	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.c Hydrologic Balance: Other Sediment Control Measures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.d Hydrologic Balance: Water Monitoring	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.e Hydrologic Balance: Effluent Limitations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Explosives	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Disposal of Excess Spoil, Fills, Benches	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Coal Mine Waste, Refuse Piles, Impoundments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Noncoal Waste	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Protection of Fish, Wildlife and Related Environmental Issues	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Slides and Other Damage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. Contemporaneous Reclamation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. Backfilling And Grading	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13. Revegetation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14. Subsidence Control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15. Cessation of Operations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16.a Roads: Construction, Maintenance, Surfacing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16.b Roads: Drainage Controls	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17. Other Transportation Facilities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18. Support Facilities, Utility Installations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19. AVS Check	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20. Air Quality Permit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
21. Bonding and Insurance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
22. Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

### **3. Topsoil**

Extreme SAR values of 40 - 116 were reported in the surface 12 inches for site SP3 (App 8-3). Without the original lab data to verify the information and with limited time available before construction, the soil salvage of map unit B1Be was not recommended. Mr. Dan Guy staked the map unit in the field and I went to the site to verify the map unit perimeter. I augered at 30 ft. intervals from the stake indicating no topsoil salvage (that corresponds with the south B1Be soil unit boundary on Soil Survey Plate 8-1) over to pit SP3. The map shows this to be a distance of 187 ft (based upon a scale of 1" = 150 ft.) I paced off the distance at 175 ft. The five auger holes (A1 - A5) were dug to a depth of 18 - 24 inches. The following information was noted:

A1 (distance 30 ft from stake) granular, dry, no evidence of gypsum crystals or white precipitate.

A2 (distance 60 ft from stake, near ant mound) granular, no vegetation, some white precipitate at 18 in.

A3 (distance 90 ft. from stake) shadscale vegetation, granular surface, tiny crystals glisten in sun, impenetrable after 8 in.

A4 (distance of 120 ft. from stake) near shadscale, salinity evident on surface by white precipitated salts. Granular at surface changing to aggregated below six inches. No evidence of gypsum crystals or white precipitate.

A5 (distance of 175 ft. from stake and at location of SP3) moist at surface, massive, no precipitate noticed as soil was brought to the surface, but white precipitate formed on clods as soil dried.

Field assessment was to adjust the boundary of B1Be towards SP3 by 75 ft. Met with Dan Guy the following morning at the site to make the recommendation. Photos attached.

The Division received the original lab data on 9/20/06 and has verified that the calculations were done correctly. If a subset of the soil sample was kept, I recommend that the laboratory run the samples again to verify the extreme values.

### **4.b Hydrologic Balance: Sediment Ponds and Impoundments**

Nielson Construction (Jesse Nielson, John Nielson, Eric Luke) were on site at 9 am on September 20 to begin the work on the settling ponds. On Sept 21 the topsoil pile had been constructed and subsoil was being salvaged using two scrapers and a road grader. Photos of the activity are found in the 09212006 images folder.